

VP-2111/VP-2111-TC

C Language Based ViewPAC with MiniOS7 and 3 I/O Slots
(English + Traditional/Simplified Chinese Version)

Features

- 80186, 80 MHz CPU
- MiniOS7 Embedded Operating System (DOS-like)
- C language Based Software Development Toolkit
- Modbus Library Provided
- Hardware Diagnostic Functions
- IP65 Compliant Front Panel
- 3 x I/O Expansion Slots
- Rich I/O Expansion Ability (RS-232/485, Ethernet, Frnet, CAN)
- Operating Temperature: -15 ~ +55 °C

Introduction

ViewPAC combines iPAC, graphic display and keypad in one unit. It equips an 80186 CPU (16-bit and 80 MHz) running a MiniOS7 operating system, several communication interface (Ethernet, RS-232/485), 3 slots to expand I/O modules, STN LCD and a rubber keypad.

Its operating system, MiniOS7, can boot up in a very short time (0.4~0.8 seconds). It has a built-in hardware diagnostic function, and supports the full range of functions required to access all high profile I-8K and I-87K series I/O modules, such as DI, DO, DIO, AI, AO, Counter/Frequency, motion control modules, etc.

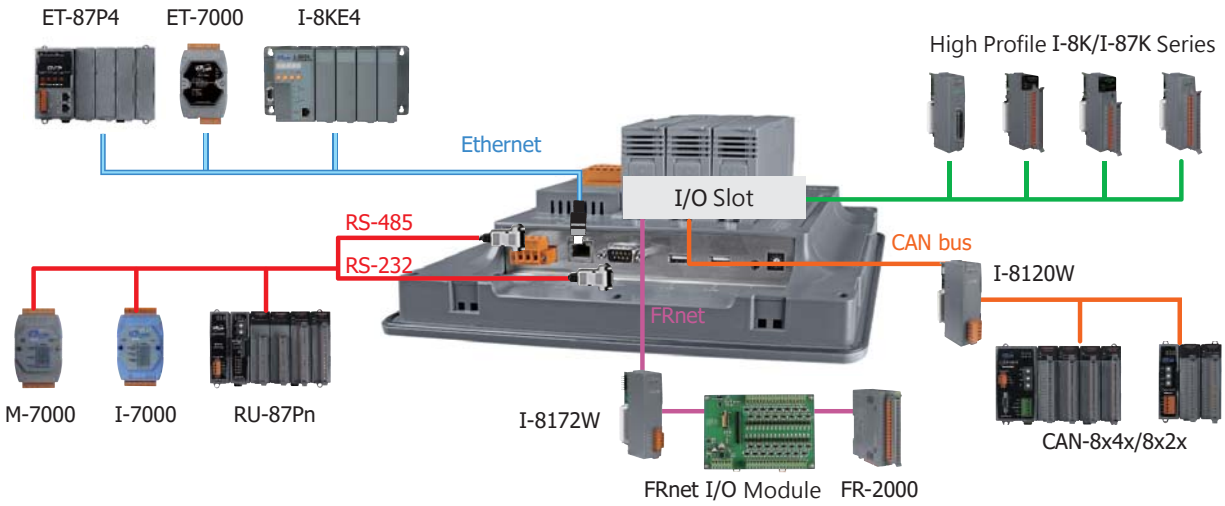
Compared with traditional HMI + PLC solutions, ViewPAC reduces overall system cost, space and gives you all the best features of HMIs and PLCs.

Powerful Embedded OS — MiniOS7

MiniOS7 is the most stable OS used in the last decade. Up to now, several hundred thousand copies with our PACs have been distributed worldwide.

- DOS-like embedded OS
- Short boot time period (<1 Second)
- Antivirus ability
- Less memory resource required
- Internet connectivity
- Faster watchdog response time
- Libraries & demo programs for various peripherals, devices and remote I/O modules

Applications



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Specifications

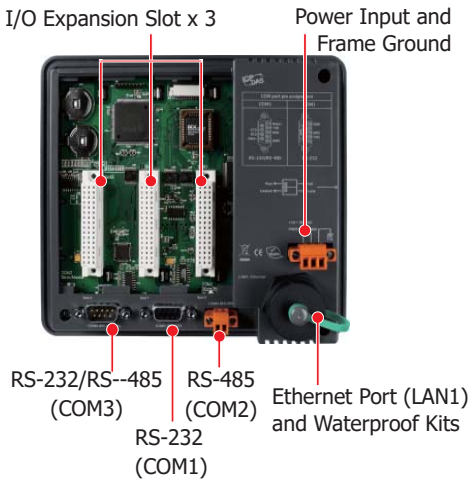
Models	VP-2111	VP-2111-TC
Display		
Type	STN, 128x64 Dot Matrix LCD	
Text Font	English + Simplified Chinese	English + Traditional Chinese
System Software		
OS	MiniOS7	
Development	C Language	
Service		
SDK		
Multilanguage Support		
CPU Module		
CPU	80186 or compatible, 16-bit and 80 MHz	
SRAM	768 KB SDRAM, 512 KB Dual battery backup SRAM	
Flash	512 KB	
NVRAM	31 Bytes	
NAND Flash	64 MB	
EEPROM	16 KB	
RTC (Real Time Clock)	Provide seconds, minutes, hours, dates, day of week, month, year	
64-bit Hardware Serial Number	Yes	
Watchdog Timer	Yes	
HMI		
LED Inidcator	1 x System, 1 x Power, 1 x Ethernet/3 x Programmable	
Buzzer	Yes	
Rubber Keypad	24	
Communication Interface		
Ethernet	1 x RJ-45, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)	
COM0	Internal communication with the high profile I-87K series modules in slots	
COM1	RS-232 (to update firmware) (RxD, TxD, and GND); Non-Isolated	
COM2	RS-485 (D2+, D2-; self-tuner ASIC inside); 2500 VDC isolated	
COM3	RS-232/RS-485 (RxD, TxD, CTS, RTS and GND for RS-232, Data+ and Data- for RS-485); Non-Isolated	
I/O Expansion		
I/O Type	I-8K, I-87K series	
Slots	3	
Mechanical		
Dimensions (W x L x H)	182 mm x 158 mm x 125 mm	
Weight	1.6 kg	
Installation	Wall mounting	
Ingress Protection Rating	Front panel: IP65	
Environmental		
Operating Temperature	-15 ~ +55 °C	
Storage Temperature	-30 ~ +80 °C	
Humidity	5 ~ 90 % RH, Non-condensing	
Power		
Input Range	+10 ~ 30 VDC (1 kV Isolated)	
Consumption	6.0 W	

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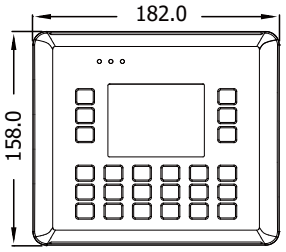
Appearance

VP-23W1

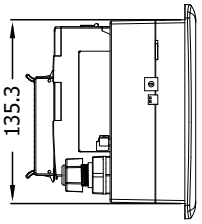




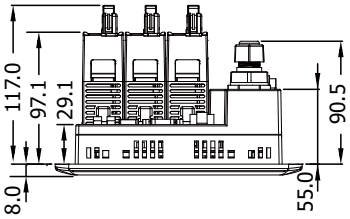
Dimensions (Units: mm)



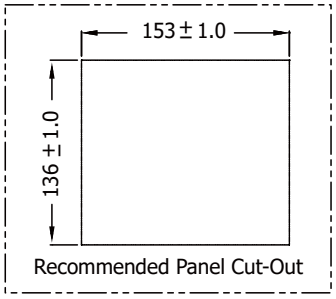
Front Veiw



Left Side View



Top View



Ordering Information

VP-2111 CR	Standard ViewPAC with MiniOS7 and 3 I/O Slots (English + Simplified Chinese Version) (RoHS)
VP-2111-TC CR	Standard ViewPAC with MiniOS7 and 3 I/O Slots (English + Traditional Chinese Version) (RoHS)

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